SEQUENCE LISTING

<110> Anand-Apte , Bela

<120> TIMP3 AS VEGF INHIBITOR

<130> CCF-6494

<160> 10

<170> PatentIn version 3.2

<210> 1
<211> 211
<212> PRT
<213> Homo sapiens

<400> 1

```
Met Thr Pro Trp Leu Gly Leu Ile Val Leu Leu Gly Ser Trp Ser Leu
1               5                  10                  15

Gly Asp Trp Gly Ala Glu Ala Cys Thr Cys Ser Pro Ser His Pro Gln
            20                  25                  30

Asp Ala Phe Cys Asn Ser Asp Ile Val Ile Arg Ala Lys Val Val Gly
        35                  40                  45

Lys Lys Leu Val Lys Glu Gly Pro Phe Gly Thr Leu Val Tyr Thr Ile
    50                  55                  60

Lys Gln Met Lys Met Tyr Arg Gly Phe Thr Lys Met Pro His Val Gln
65                  70                  75                  80

Tyr Ile His Thr Glu Ala Ser Glu Ser Leu Cys Gly Leu Lys Leu Glu
                85                  90                  95

Val Asn Lys Tyr Gln Tyr Leu Leu Thr Gly Arg Val Tyr Asp Gly Lys
            100                 105                 110

Met Tyr Thr Gly Leu Cys Asn Phe Val Glu Arg Trp Asp Gln Leu Thr
        115                 120                 125

Leu Ser Gln Arg Lys Gly Leu Asn Tyr Arg Tyr His Leu Gly Cys Asn
    130                 135                 140

Cys Lys Ile Lys Ser Cys Tyr Tyr Leu Pro Cys Phe Val Thr Ser Lys
145                 150                 155                 160

Asn Glu Cys Leu Trp Thr Asp Met Leu Ser Asn Phe Gly Tyr Pro Gly
                165                 170                 175
```

Tyr Gln Ser Lys His Tyr Ala Cys Ile Arg Gln Lys Gly Gly Tyr Cys
180 185 190

Ser Trp Tyr Arg Gly Trp Ala Pro Pro Asp Lys Ser Ile Ile Asn Ala
195 200 205

Thr Asp Pro
210

<210> 2
<211> 91
<212> PRT
<213> Homo sapiens

<400> 2

Val Glu Arg Trp Asp Gln Leu Thr Leu Ser Gln Arg Lys Gly Leu Asn
1 5 10 15

Tyr Arg Tyr His Leu Gly Cys Asn Cys Lys Ile Lys Ser Cys Tyr Tyr
20 25 30

Leu Pro Cys Phe Val Thr Ser Lys Asn Glu Cys Leu Trp Thr Asp Met
35 40 45

Leu Ser Asn Phe Gly Tyr Pro Gly Tyr Gln Ser Lys His Tyr Ala Cys
50 55 60

Ile Arg Gln Lys Gly Gly Tyr Cys Ser Trp Tyr Arg Gly Trp Ala Pro
65 70 75 80

Pro Asp Lys Ser Ile Ile Asn Ala Thr Asp Pro
85 90

<210> 3
<211> 120
<212> PRT
<213> Homo sapiens

<400> 3

Met Thr Pro Trp Leu Gly Leu Ile Val Leu Leu Gly Ser Trp Ser Leu
1 5 10 15

Gly Asp Trp Gly Ala Glu Ala Cys Thr Cys Ser Pro Ser His Pro Gln
20 25 30

Asp Ala Phe Cys Asn Ser Asp Ile Val Ile Arg Ala Lys Val Val Gly
35 40 45

Lys Lys Leu Val Lys Glu Gly Pro Phe Gly Thr Leu Val Tyr Thr Ile
50 55 60

Lys Gln Met Lys Met Tyr Arg Gly Phe Thr Lys Met Pro His Val Gln
65 70 75 80

Tyr Ile His Thr Glu Ala Ser Glu Ser Leu Cys Gly Leu Lys Leu Glu
85 90 95

Val Asn Lys Tyr Gln Tyr Leu Leu Thr Gly Arg Val Tyr Asp Gly Lys
100 105 110

Met Tyr Thr Gly Leu Cys Asn Phe
115 120

<210> 4
<211> 1240
<212> DNA
<213> Homo sapiens

<400> 4
ggcggcgggc gctcagacgg cttctcctcc tcctcttgct cctccaagct cctgctcctt 60

cgccgggagc ccgcccgccg agtcctgcgc cagcgccgag gcagcctcgc tgcgccccat 120

cccgtcccgc cgggcactcg gagggcagcg cgccggaggc caaggttgcc ccgcacggcc 180

cggcgggcga gcgagctcgg gctgcagcag ccccgccggc ggcgcgcacg gcaactttgg 240

agaggcgagc agcagccccg gcagcggcgg cagcagcggc aatgacccct tggctcgggc 300

tcatcgtgct cctgggcagc tggagcctgg gggactgggg cgccgaggcg tgcacatgct 360

cgcccagcca cccccaggac gccttctgca actccgacat cgtgatccgg gccaaggtgg 420

tggggaagaa gctggtaaag gaggggccct tcggcacgct ggtctacacc atcaagcaga 480

tgaagatgta ccgaggcttc accaagatgc cccatgtgca gtacatccat acggaagctt 540

ccgagagtct ctgtggcctt aagctggagg tcaacaagta ccagtacctg ctgacaggtc 600

gcgtctatga tggcaagatg tacacggggc tgtgcaactt cgtggagagg tgggaccagc 660

tcaccctctc ccagcgcaag gggctgaact atcggtatca cctgggttgt aactgcaaga 720

tcaagtcctg ctactacctg ccttgctttg tgacttccaa gaacgagtgt ctctggaccg 780

acatgctctc caatttcggt taccctggct accagtccaa acactacgcc tgcatccggc 840

agaagggcgg ctactgcagc tggtaccgag gatgggcccc cccggataaa agcatcatca 900

atgccacaga cccctgagcg ccagaccctg ccccacctca cttccctccc ttcccgctga 960

gcttcccttg gacactaact cttcccagat gatgacaatg aaattagtgc ctgttttctt 1020

gcaaatttag cacttggaac atttaaagaa aggtctatgc tgtcatatgg ggtttattgg 1080

gaactatcct cctggcccca ccctgccccc tctttttggt tttgacatca ttcatttcca 1140

cctgggaatt tctggtgcca tgccagaaag aatgaggaac ctgtattcct cttcttcgtg 1200

ataatataat ctctattttt ttaggaaaaa aaaaaaaaaa 1240

<210> 5
<211> 273
<212> DNA
<213> Homo sapiens

<400> 5
gtggagaggt gggaccagct cacctctcc cagcgcaagg ggctgaacta tcggtatcac 60

ctgggttgta actgcaagat caagtcctgc tactacctgc cttgctttgt gacttccaag 120

aacgagtgtc tctggaccga catgctctcc aatttcggtt accctggcta ccagtccaaa 180

cactacgcct gcatccggca gaagggcggc tactgcagct ggtaccgagg atgggccccc 240

ccggataaaa gcatcatcaa tgccacagac ccc 273

<210> 6
<211> 121
<212> PRT
<213> Homo sapiens

<400> 6

Cys Thr Cys Ser Pro Ser His Pro Gln Asp Ala Phe Cys Asn Ser Asp
1 5 10 15

Ile Val Ile Arg Ala Lys Val Val Gly Lys Lys Leu Val Lys Glu Gly
20 25 30

Pro Phe Gly Thr Leu Val Tyr Thr Ile Lys Gln Met Lys Met Tyr Arg
35 40 45

Gly Phe Thr Lys Met Pro His Val Gln Tyr Ile His Thr Glu Ala Ser
50 55 60

Glu Ser Leu Cys Gly Leu Lys Leu Glu Val Asn Lys Tyr Gln Tyr Leu

65 70 75 80

Leu Thr Gly Arg Val Tyr Asp Gly Lys Met Tyr Thr Gly Leu Cys Asn
85 90 95

Phe Val Glu Arg Trp Asp Gln Leu Thr Leu Ser Gln Arg Lys Gly Leu
100 105 110

Asn Tyr Arg Tyr His Leu Gly Cys Asn
115 120

<210> 7
<211> 220
<212> PRT
<213> Homo sapiens

<400> 7

Met Gly Ala Ala Ala Arg Thr Leu Arg Leu Ala Leu Gly Leu Leu Leu
1 5 10 15

Leu Ala Thr Leu Leu Arg Pro Ala Asp Ala Cys Ser Cys Ser Pro Val
20 25 30

His Pro Gln Gln Ala Phe Cys Asn Ala Asp Val Val Ile Arg Ala Lys
35 40 45

Ala Val Ser Glu Lys Glu Val Asp Ser Gly Asn Asp Ile Tyr Gly Asn
50 55 60

Pro Ile Lys Arg Ile Gln Tyr Glu Ile Lys Gln Ile Lys Met Phe Lys
65 70 75 80

Gly Pro Glu Lys Asp Ile Glu Phe Ile Tyr Thr Ala Pro Ser Ser Ala
85 90 95

Val Cys Gly Val Ser Leu Asp Val Gly Gly Lys Lys Glu Tyr Leu Ile
100 105 110

Ala Gly Lys Ala Glu Gly Asp Gly Lys Met His Ile Thr Leu Cys Asp
115 120 125

Phe Ile Val Pro Trp Asp Thr Leu Ser Thr Thr Gln Lys Lys Ser Leu
130 135 140

```
Asn His Arg Tyr Gln Met Gly Cys Glu Cys Lys Ile Thr Arg Cys Pro
145                 150                 155                 160

Met Ile Pro Cys Tyr Ile Ser Ser Pro Asp Glu Cys Leu Trp Met Asp
                165                 170                 175

Trp Val Thr Glu Lys Asn Ile Asn Gly His Gln Ala Lys Phe Phe Ala
            180                 185                 190

Cys Ile Lys Arg Ser Asp Gly Ser Cys Ala Trp Tyr Arg Gly Ala Ala
        195                 200                 205

Pro Pro Lys Gln Glu Phe Leu Asp Ile Glu Asp Pro
    210                 215                 220
```

<210> 8
<211> 126
<212> PRT
<213> Homo sapiens

<400> 8

```
Cys Ser Cys Ser Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp
1               5                   10                  15

Val Val Ile Arg Ala Lys Ala Val Ser Glu Lys Glu Val Asp Ser Gly
            20                  25                  30

Asn Asp Ile Tyr Gly Asn Pro Ile Lys Arg Ile Gln Tyr Glu Ile Lys
        35                  40                  45

Gln Ile Lys Met Phe Lys Gly Pro Glu Lys Asp Ile Glu Phe Ile Tyr
    50                  55                  60

Thr Ala Pro Ser Ser Ala Val Cys Gly Val Ser Leu Asp Val Gly Gly
65                  70                  75                  80

Lys Lys Glu Tyr Leu Ile Ala Gly Lys Ala Glu Gly Asp Gly Lys Met
                85                  90                  95

His Ile Thr Leu Cys Asp Phe Ile Val Pro Trp Asp Thr Leu Ser Thr
            100                 105                 110

Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met Gly Cys
        115                 120                 125
```

<210> 9
<211> 67
<212> PRT
<213> Homo sapiens

<400> 9

Cys Lys Ile Lys Ser Cys Tyr Tyr Leu Pro Cys Phe Val Thr Ser Lys
1 5 10 15

Asn Glu Cys Leu Trp Thr Asp Met Leu Ser Asn Phe Gly Tyr Pro Gly
20 25 30

Tyr Gln Ser Lys His Tyr Ala Cys Ile Arg Gln Lys Gly Gly Tyr Cys
35 40 45

Ser Trp Tyr Arg Gly Trp Ala Pro Pro Asp Lys Ser Ile Ile Asn Ala
50 55 60

Thr Asp Pro
65

<210> 10
<211> 193
<212> PRT
<213> Homo sapiens

<400> 10

Cys Ser Cys Ser Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp
1 5 10 15

Val Val Ile Arg Ala Lys Ala Val Ser Glu Lys Glu Val Asp Ser Gly
20 25 30

Asn Asp Ile Tyr Gly Asn Pro Ile Lys Arg Ile Gln Tyr Glu Ile Lys
35 40 45

Gln Ile Lys Met Phe Lys Gly Pro Glu Lys Asp Ile Glu Phe Ile Tyr
50 55 60

Thr Ala Pro Ser Ser Ala Val Cys Gly Val Ser Leu Asp Val Gly Gly
65 70 75 80

Lys Lys Glu Tyr Leu Ile Ala Gly Lys Ala Glu Gly Asp Gly Lys Met
85 90 95

```
His Ile Thr Leu Cys Asp Phe Ile Val Pro Trp Asp Thr Leu Ser Thr
            100                 105                 110

Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met Gly Cys Cys Lys
        115                 120                 125

Ile Lys Ser Cys Tyr Tyr Leu Pro Cys Phe Val Thr Ser Lys Asn Glu
    130                 135                 140

Cys Leu Trp Thr Asp Met Leu Ser Asn Phe Gly Tyr Pro Gly Tyr Gln
145                 150                 155                 160

Ser Lys His Tyr Ala Cys Ile Arg Gln Lys Gly Gly Tyr Cys Ser Trp
                165                 170                 175

Tyr Arg Gly Trp Ala Pro Pro Asp Lys Ser Ile Ile Asn Ala Thr Asp
            180                 185                 190

Pro
```